

Title (en)  
ENDOSCOPIC APPARATUS AND SETTING METHOD THEREOF

Title (de)  
ENDOSKOPISCHE VORRICHTUNG UND EINSTELLVERFAHREN DAFÜR

Title (fr)  
APPAREIL ENDOSCOPIQUE ET SON PROCÉDÉ DE RÉGLAGE

Publication  
**EP 2201888 A1 20100630 (EN)**

Application  
**EP 08840628 A 20080916**

Priority  
• JP 2008066672 W 20080916  
• JP 2007271665 A 20071018

Abstract (en)  
A normal light image and a fluorescence image are adjusted to proper brightness with a simple and inexpensive configuration. A processor 4 includes a comparison section 103 for comparing an output (dimming signal) of a dimmer circuit 40 and a predetermined reference value, a setting section 102 for setting a gain of an AGC 33, a shutter control parameter (charge storage time) in an electronic shutter control section 101, and an opening area of a light source diaphragm 13 in a light source device 3 based on a comparison result of the comparison section 103, and the electronic shutter control section 101 for controlling an electronic shutter function of a CCD driving circuit 31 under control of the setting section 102.

IPC 8 full level  
**A61B 1/00** (2006.01); **A61B 1/04** (2006.01)

CPC (source: EP US)  
**A61B 1/041** (2013.01 - EP US); **A61B 1/043** (2013.01 - EP US); **A61B 1/045** (2013.01 - EP US); **A61B 1/0638** (2013.01 - EP US); **A61B 1/0646** (2013.01 - EP US); **A61B 1/0655** (2022.02 - EP); **A61B 5/0071** (2013.01 - EP US); **A61B 5/0084** (2013.01 - EP US)

Cited by  
WO2013057207A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2201888 A1 20100630**; **EP 2201888 A4 20121114**; **EP 2201888 B1 20161214**; CN 101686798 A 20100331; CN 101686798 B 20120404; JP 2009095566 A 20090507; JP 5372356 B2 20131218; US 2010204544 A1 20100812; WO 2009050972 A1 20090423

DOCDB simple family (application)  
**EP 08840628 A 20080916**; CN 200880023878 A 20080916; JP 2007271665 A 20071018; JP 2008066672 W 20080916; US 75489010 A 20100406